

Title (en)

ERROR CORRECTION TECHNIQUES IN SURGICAL NAVIGATION

Title (de)

KORREKTURMECHANISMEN FÜR DIE CHIRURGISCHE NAVIGATION

Title (fr)

CORRECTION D' ERREURS POUR SYSTÈME DE NAVIGATION CHIRURGICAL

Publication

EP 2632381 A1 20130904 (EN)

Application

EP 11738849 A 20110429

Priority

- US 91623210 A 20101029
- US 2011034547 W 20110429

Abstract (en)

[origin: WO2012057871A1] A medical system includes a sensor location module, a first module, and a second module. The sensor location module (132) determines a location of a magnetic field sensor (110) within a magnetic field. The first module (160) determines an acceleration of the magnetic field sensor. The second module (138) indicates a modified location of the magnetic field sensor in an image of a medical patient based on the acceleration and one or more previously determined locations.

IPC 8 full level

A61B 34/20 (2016.01); **A61B 17/00** (2006.01)

CPC (source: EP US)

A61B 34/20 (2016.02 - EP US); **A61B 2017/00703** (2013.01 - EP US); **A61B 2034/2048** (2016.02 - EP US); **A61B 2034/2051** (2016.02 - EP US); **A61B 2034/2055** (2016.02 - EP US); **A61B 2034/2072** (2016.02 - EP US); **A61B 2090/0818** (2016.02 - EP US); **A61B 2090/376** (2016.02 - EP US)

Citation (search report)

See references of WO 2012057871A1

Cited by

EP3395246A1; US11646113B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2012057871 A1 20120503; CN 103189013 A 20130703; CN 103189013 B 20150715; EP 2632381 A1 20130904; EP 2632381 B1 20160713; US 2012108954 A1 20120503; US 9913693 B2 20180313

DOCDB simple family (application)

US 2011034547 W 20110429; CN 201180052037 A 20110429; EP 11738849 A 20110429; US 91623210 A 20101029